

CHARGE NUMBER: 1504  
PROGRAM TITLE: Designed Filler  
PROJECT LEADER: G. D. Keritsis  
PERIOD COVERED: November 1-30, 1973  
DATE OF REPORT: December 11, 1973

I. LOW TAR FILLER (LTF)

Two new cigarette models with 50% LTF in the blend were made and smoked.<sup>1</sup> The Descriptive Panel found both cigarettes to lack basic sweetness and be harsh to the throat. Generally, both cigarettes profiled similarly to Marlboro.<sup>2</sup>

The cigarettes were remade with the addition of a basic sweetener and the elimination of the additive which was believed to be responsible for the throat harshness.<sup>3,4</sup> These cigarettes are now being smoked.

Optimization of the 1972-LTF formulation has begun. The levels of two of the formula components were adjusted.<sup>4</sup> It was felt that the levels of these components was high and adversely affected the subjective smoke character.

II. NATURAL BASE FILLER (NBF)

A homogeneous sheet of 50% NBF - 50% MF was made.<sup>5</sup> The acceptability of the cigarettes that contained this filler was judged by the Lab Panel to be between that of Carlton and Kent cigarettes.<sup>6</sup>

III. CARBONIZED FILLER

Two approaches for the elimination of "fiery" particles of the carbonized filler cigarettes appear to be promising. These are now being scaled-up for a larger evaluation.<sup>7</sup>

IV. COMPETITIVE PRODUCTS

Planet cigarettes (U.K.) which contain 47% of Courtaulds' nontobacco filler in their blend were received and are being analyzed.

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V. DESIGNED FILLER PROCESSING

The CP-mixing equipment which is needed to foam the DF-sheet is being dismantled at Milprint. As soon as they are received, our studies will begin.

A wet-spinning technique for the production of a nontobacco smoking material was tried and appeared to be promising.<sup>8</sup> A small unit is now being built to further investigate this approach.

VI. REFERENCES

<sup>1</sup>Notebook 6123, pp. 96 - 98.

<sup>2</sup>Notebook 6229, pp. 24 - 26.

Notebook 6123, p. 98.

<sup>3</sup>Notebook 6395, p. 47.

<sup>4</sup>Notebook 6315, pp. 69 - 72.

<sup>5</sup>Notebook 6315, pp. 67 - 68.

Notebook 6439, pp. 1 - 2.

Notebook 6240, pp. 94 - 96, 98 - 99.

<sup>6</sup>Lab Panel Results of November 12, 1973.

<sup>7</sup>Notebook 6428, pp. 39 - 49.

<sup>8</sup>Notebook 6123, pp. 99 - 100.



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